Reasoning with Equation and Inequalities - Worksheet 3

Solve the following inequalities:

1. $\sqrt{x+3} > x+3$

6. $-3x > p+4$

2. $\frac{mx^2}{x-2} = x+1$

7. $x^3 + x^2 - 6x > 0$

3. $\frac{x+6}{t} \geq t-4$

8. $x^2 < x$

4. $|x+1| < 4x$

9. $4x = sx + 6 + s1$.

5. $\frac{mx+m}{x^2-1} = \frac{2}{m+1}$

10. $|x-4| < 3x+1$